Amendments to the Claims:

If entered, this listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

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1. (Currently Amended) A method of forming self-aligned, anti-via interconnects in an integrated circuit device comprising:

providing a semiconductor substrate;

depositing a first metal layer overlying said semiconductor substrate;

depositing an etch stop layer overlying said first metal layer wherein said etch stop layer comprises a tantalum containing film;

depositing a second metal layer overlying said etch stop layer;

depositing an anti-reflective coating layer comprising titanium nitride overlying said second metal layer;

etching through said second metal layer, said etch stop layer, and said first metal layer to form connective lines;

thereafter etching through said second metal layer to form vias wherein said etch stop layer <u>prevents</u> acts as an etch stop for etching through of said first second metal layer;

thereafter depositing a dielectric layer overlying said vias, said connective lines and said semiconductor substrate; and

polishing down said dielectric layer to complete said self-aligned, anti-via interconnects in the manufacture of the integrated circuit device.

- 2. (Previously Presented) The method according to Claim 1 wherein said first and second metal layers comprise one of the group of: aluminum, aluminum alloys, tungsten and copper.
- 3. (Original) The method according to Claim 1 wherein said semiconductor substrate comprises semiconductor devices in and on a silicon substrate covered by an insulating layer.
- 4. (Canceled)
- 5. (Canceled)
- 6. (Original) The method according to Claim 1 wherein said dielectric layer is deposited to a thickness of between about 5,000 Angstroms and 20,000 Angstroms.
- 7. (Canceled)
- 8. (Canceled)

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9. (Currently Amended) A method of forming self-aligned, anti-via interconnects in an integrated circuit device comprising:

providing a semiconductor substrate;

depositing a first metal layer overlying said semiconductor substrate;

depositing an etch stop layer overlying said first metal layer wherein said etch stop layer comprises a tantalum containing film;

depositing a second metal layer overlying said etch stop layer;

depositing an anti-reflective coating layer comprising titanium nitride overlying said second metal layer;

etching through said second metal layer, said etch stop layer, and said first metal layer to form connective lines;

thereafter etching through said second metal layer to form vias wherein said etch stop layer <u>prevents</u> acts as an etch stop for etching through of said <u>first</u> second metal layer;

thereafter depositing a dielectric layer overlying said vias, said connective lines and said semiconductor substrate wherein said dielectric layer is SiOF (fluorinated silica glass), SiOC (C-substituted siloxane), amorphous SiC:H, MSQ (methylsilsesquioxane), porous materials, PPXC polymer (poly(chloro-p-xylylene), PPXN polymer (poly-p-xylylene), or VT-4 (tetrafluoro-p-xylylene); and

polishing down said dielectric layer to complete said self-aligned. anti-via interconnects in the manufacture of the integrated circuit device wherein said anti-reflective coating layer is a polishing stop.

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- 10. (Previously Presented) The method according to Claim 9 wherein said first metal layer and said second metal layer comprise one of the group of: aluminum, aluminum alloys, tungsten and copper.
- 11. (Original) The method according to Claim 9 wherein said first metal layer is deposited to a thickness of between about 1,000 Angstroms and 10,000 Angstroms.
- 12. (Original) The method according to Claim 9 wherein said second metal layer is deposited to a thickness of between about 3,000 Angstroms and 10,000 Angstroms.
- 13. (Canceled)
- 14. (Canceled)
- 15. (Previously Presented)The method according to Claim 9 wherein said step of etching through said second metal layer to form vias has an endpoint at said etch stop layer.
- 16. (Canceled)
- 17. (Canceled)

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18. (Currently Amended) A method of forming self-aligned, anti-via interconnects in an integrated circuit device comprising:

providing a semiconductor substrate;

depositing a first metal layer overlying said semiconductor substrate;

depositing an etch stop layer overlying said first metal layer wherein said etch stop layer comprises a tantalum containing film;

depositing a second metal layer overlying said first metal layer;

depositing an anti-reflective coating layer comprising titanium nitride (TiN) overlying said second metal layer;

etching through said anti-reflective coating layer, said second metal layer, said etch stop layer, and said second metal layer to form connective lines;

thereafter etching through said anti-reflective coating layer and said second metal layer to form vias wherein said etch stop layer <u>prevents</u> acts as an etch stop for etching through of said <u>first</u> second metal layer;

thereafter depositing a dielectric layer overlying said vias, said connective lines and said semiconductor substrate wherein said dielectric layer is SiOF (fluorinated silica glass), SiOC (C-substituted siloxane), amorphous SiC:H, MSQ (methylsilsesquioxane), porous materials, PPXC polymer (poly(chloro-p-xylylene), PPXN polymer (poly-p-xylylene), or VT-4 (tetrafluoro-p-xylylene); and

polishing down said dielectric layer to complete said self-aligned, anti-via interconnects in the manufacture of the integrated circuit device wherein said anti-reflective coating layer is a polishing stop.

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19. (Original) The method according to Claim 18 wherein said first metal layer and said second metal layer comprise one of the group of: aluminum, aluminum alloys, tungsten, and copper.

20. (Original) The method according to Claim 18 wherein said first metal layer is deposited to a thickness of between about 1,000 Angstroms and 10,000 Angstroms.

21. (Original) The method according to Claim 18 wherein said second metal layer is deposited to a thickness of between about 3,000 Angstroms and 10,000 Angstroms.

22. (Canceled)

23. (Canceled)